

ABSTRACT

The present invention provides a system for controlling the speed of a motor by altering the magnetic field of the motor. The system includes field modification module, and a motor having field windings and a rotor. The field windings are configured to receive a driving signal that generates a magnetic field causing a rotation of the rotor. The field modification module is proximate the motor and alters the magnetic field in response to an input signal thereby controlling the speed and torque of the rotor.